

WORK ORDER 2010-10

Date opened: 15 April 2010

Project: Quick Release Cargo Basket Assembly  
Type: Eurocopter AS350/355 SeriesBatch Quantity: 5 Complete Basket Assembly (78410-01)  
4 with Lid Step (70405)Approval: SH08-18  
Drawing List: DCL784-3

Fabrication and Assembly Drawing(s)	Description
78410, Rev. 1	Basket Ass'y
78411, Rev. 2	Basket Body Ass'y
78412, Rev. 1	Basket Lid Ass'y
84255, Rev. 1	Handle Installation
84261, Rev. 4	Handle Bar Ass'y
84262, Rev. 1	Handle Bracket Ass'y
70405, Rev. 1	Lid Step Modification

Complete material tracking information on attached pages.

Work Order pre-completion Inspection:


Project is on Approval Limitation Record:	<u>Y</u> ✓
Document Control List revision level matches (or exceeds) STC:	<u>Y</u> ✓
Drawings revision levels match Document Control List:	<u>Y</u> ✓

Purchase order or Work order source is recorded for each part/ass'y:	<u>Y</u> ✓
Tests and inspections specifically called out on drawings are complete:	<u>Y</u> ✓
Release tags associated with all fabricated parts are attached:	<u>Y</u> ✓
All mounting hardware and supplies are included:	<u>Y</u> ✓

List all non-conformities raised: \_\_\_\_\_

Welder Signature: \_\_\_\_\_

Date: \_\_\_\_\_



Inspector Signature: \_\_\_\_\_

18 Nov 2010  
Date: \_\_\_\_\_

Drawing: 78410 Revision 0  
 Assembly: 78410-01 Cargo Basket Ass'y (Quick-Release, Long, 93.25" long)

Qty Per	Part #	Description	Material	P.O.W.O.	Checked
5 Total	78410-01	Cargo Basket Assembly			
.1	78411-01	Basket Body Assembly	Below		
.1	78412-01	Basket Lid Assembly	Below		
.1	84255-01	Handle Bar Installation	Below		
.1	36280-01	Brace Assembly	9-2081 Brace	8083	
.1	MS20001P4	Piano Hinge		8104	
.1	78427-01	Placard	0.063 Sheet, 6061-T6 Aluminum	10051	
.4	49205-14	Bumper	Argus Industries Bumper	10026	
.A/R	CR3213-5-02	Cherry Rivet		10089	
.8	CR3523-5-02	Cherry Rivet		10064	
.4	CR3213-4-02	Cherry Rivet		10088	
.4	40088-14	Fitting	Ancra	10006	
.4	AN960-616	Washer		10017/10025	
.1	AN3-15A	Bolt		7077	
.1	AN3-17A	Bolt		7077	
.4	AN960-10	Washer		10049	
.2	AN970-3	Washer		8069	
.2	MS21044N3	Nut		10025	

Processes	Per	Mat'ls Used	Inspection	Signature
Riveting	AC43.13-1B	CR Rivets		JE
Final Inspection	Drawing 78410			JE.

Tag incomplete parts with Work Order # when stored between processes.

Tag complete parts / assemblies with Release Tag prior to storage.

Drawing: 78411 Revision 0  
 Assembly: 78411-01 Basket Body Ass'y (Quick-Release, Long, 93.25" long)

Qty Per	Part #	Description	Material	P.O./W.O.	Checked
5 Total	78411-01	Basket Body Assembly			
. A/R		Tube	4130 Steel, 3/4" x 0.035 Sqr. Tube	18028	
. A/R		Tube	4130 Steel, 1/2" x 0.035 Sqr. Tube		
. 4	76421-01	Hoop	4130 Steel, 1/2" x 0.035 Sqr. Tube	↓	
. 2	76423-07	Attachment Hoop	4130 Steel, 1/2" x 0.035 Sqr. Tube		
. . 4	76423-06	Lug	1018 Mild Steel, 1/2" Dia. 5/8"	<del>7807</del> 951105A	
. 1	36262-01	Handle Bracket Assembly	Below		
. 1	49215-01	Spacer	1018 Steel, 1/2" Rod	7807	
. A/R	3/4-16F	Mesh	Expanded carbon steel	8094	

Processes	Per	Mat'ls Used	Inspection	Signature
Welding	AMS 2685C	Welding Rod ER70S-2		
Powder Coat	Drawing 78411			QC
Final Inspection	Drawing 78411			QC.

Tag incomplete parts with Work Order # when stored between processes.

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Drawing: 78412 Revision 0  
Assembly: 78412-01 Basket Lid Ass'y (Quick-Release, Long, 93.25" long)

Qty Per	Part #	Description	Material	P.O.W.O.	Checked
5 Total	78412-01	Basket Lid Assembly			
. A/R		Tube	4130 Steel, 3/4" x 0.035 Sqr. Tube	10028	
. 1	49216-01	Spacer	1018 Steel, 1/2" Rod	7007	
. 1	36262-01	Upper Handle Bracket Assembly	Below	—	
. 1	36204-10	Placard Bracket	1018 Steel, 0.035" Sheet	9010	
. A/R	3/4-16F	Mesh	Expanded carbon steel	8094	

Processes	Per	Mat'ls Used	Inspection	Signature
Welding	AMS 2685C	Welding Rod ER70S-2		
Powder Coat	Drawing 78412			gc.
Final Inspection	Drawing 78412			gc.

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Drawing: 84255 Revision 0  
Assembly: 84255-01 Handle Installation

Qty Per	Part #	Description	Material	P.O./W.O.	Checked
5 Total	84255-01	Handle Installation			
. 1	84261-01	Handle Bar Assembly	Below	—	
. 2	36278-01	Spring (1 left, 1 right)	304 Stainless, 1/16" Dia Music Wire	9091	
. 2	36275-01	Bushing	SAE 660 Bronze, 5/16" Dia	6068	
. 2	84267-01	Bracket	Delrin, 0.75" Sheet	WO 2010-35	
. 2	AN3-12A	Bolt		10049	
. 4	AN3-11A	Bolt		10082	
. 10	AN960-10	Washer		10082	
. 6	MS21044N3	Nut		10049	

Processes	Per	Mat'ls Used	Inspection	Signature
Final Inspection	Drawing 84255			jc.

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Drawing: 84261 Revision 0  
Assembly: 84261-01 Handle Bar Assembly

Qty Per	Part #	Description	Material	P.O.W.O.	Checked
5 Total	84261-01	Handle Bar Assembly			
. 1	36277-01	Handle Bar	316 Stainless, 1.0 x 0.035 Rnd. Tube	10083	
. 2	84265-01	Lever	304 Stainless, 0.105 Sheet	10036	
. 2	36274-01	Bushing	304 Stainless, 7/16" x 0.065 Rnd. Tube	8076	
. 2	MS20615-4M3	Rivet		7039	

Processes	Per	Mat'ls Used	Inspection	Signature
Welding	AMS 2685C	Welding Rod ER308L		
Final Inspection	Drawing 84261			jc.

Tag incomplete parts with Work Order # when stored between processes.

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Drawing: 84262 Revision 0  
Assembly: 84262-01 Handle Bracket Assembly

Qty Per	Part #	Description	Material	P.O./W.O.	Checked
5 Total	84261-01	Handle Bracket Assembly			
.4	84272-01	Bushing	4130 Steel, 5/16" x 0.058 <sup>RND.</sup> Bar. tube	6076	
.4	36273-01	Lid Bracket	321 Stainless, 0.050 Sheet	10037	
.2	36275-02	Support	304 Stainless, 5/16" Rod	8065	

Processes	Per	Mat'ls Used	Inspection	Signature
Welding	AMS 2685C	Welding Rod ER308L		
Final Inspection	Drawing 84262			<i>JK.</i>

Tag incomplete parts with Work Order # when stored between processes.

Tag complete parts / assemblies with Release Tag prior to storage.

Drawing: 70405 Revision 1  
Assembly: 70405-01 Lid Step Modification

Qty Per	Part #	Description	Material	P.O./W.O.	Checked
4 Total	70405-01	Lid Step Modification			
. 10	70405-03	Tube	4130 Steel, 1/2" x 0.035 Sqr. Tube	1028	
. 1	70405-04	Tread Plate	3003 Aluminum Tread Plate, 0.063"	1013	
. A/R	CR3213-4-2	Cherry Rivet		1028	

Note: Step is installed on all bays of lid.

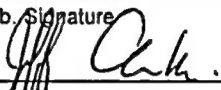
Note: Remainder of assembly listed on drawing 78412

Processes	Per	Mat'ls Used	Inspection	Signature
Welding	AMS 2685C	Welding Rod ER70S-2		
Final Inspection	Drawing 70405			gc.

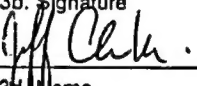
Tag incomplete parts with Work Order # when stored between processes.

Tag complete parts / assemblies with Release Tag prior to storage.



1. Approving Civil Aviation Authority/Country <b>Transport Canada</b>		2. AUTHORIZED RELEASE CERTIFICATE <b>FORM ONE</b>			3. Form Tracking No.
4. Organization Name and Address <b>AERO Design Ltd. – 2013 39<sup>th</sup> Avenue NE, Calgary, Alberta, T2E 6R7</b>					5. Work Order/Contract/Invoice <b>WO2010-10</b>
6. Item	7. Description	8. Part Number	9. Qty.	10. Serial/Batch No.	11. Status/Work
	<b>Long Cargo Basket</b>	<b>78410-01</b>	<b>1</b>	<b>78401-18</b>	<b>New</b>
12. Remarks <b>Modified with walkway on lid IAW DCL704, powder coated custom blue</b>					
13a. Certifies that the items identified above were manufactured in conformity to:			14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12		
<input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12.			Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.		
13b. Signature 		13c. Approved Organization Number <b>AMF 73-04</b>		14b. Signature	
13d. Name <b>Jeff Clarke</b>		13e. Date (dd/mmm/yyyy) <b>17 Feb 2011</b>		14c. Approved Organization Number	
				14d. Name	
				14e. Date (dd/mmm/yyyy)	
<b>Installer Responsibilities</b>					
This certificate does not constitute authority to install. Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified. Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.					


ECL/SLC/2010

1. Approving Civil Aviation Authority/Country Transport Canada		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No.
4. Organization Name and Address AERO Design Ltd. – 2013 39 <sup>th</sup> Avenue NE, Calgary, Alberta, T2E 6R7					5. Work Order/Contract/Invoice WO2010-10
6. Item	7. Description Long Cargo Basket	8. Part Number 78410-01	9. Qty. 1	10. Serial/Batch No. 78401-17	11. Status/Work New
12. Remarks Modified with walkway on lid IAW DCL704					
13a. Certifies that the items identified above were manufactured in conformity to:			14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12		
<input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12.			Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.		
13b. Signature 		13c. Approved Organization Number AMF 73-04		14b. Signature	
13d. Name Jeff Clarke		13e. Date (dd/mmm/yyyy) 08 Feb 2011		14c. Approved Organization Number	
				14d. Name	
				14e. Date (dd/mmm/yyyy)	
<p style="text-align: center;"><b>Installer Responsibilities</b></p> <p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>					

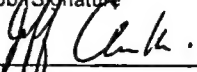
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1. Approving Civil Aviation Authority/Country Transport Canada		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No.
4. Organization Name and Address AERO Design Ltd. – 2013 39 <sup>th</sup> Avenue NE, Calgary, Alberta, T2E 6R7					5. Work Order/Contract/Invoice WO2010-10
6. Item	7. Description Long Cargo Basket	8. Part Number 78410-01	9. Qty. 1	10. Serial/Batch No. 78401-17	11. Status/Work New
12. Remarks Modified with walkway on lid IAW DCL704					
13a. Certifies that the items identified above were manufactured in conformity to:			14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12		
<input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12.			Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.		
13b. Signature <i>Jeff Clarke</i>		13c. Approved Organization Number AMF 73-04		14b. Signature	
14b. Signature		14c. Approved Organization Number		14c. Approved Organization Number	
16d. Name Jeff Clarke		13e. Date (dd/mmm/yyyy) 25 May 2010		14d. Name	
14d. Name		14e. Date (dd/mmm/yyyy)		14e. Date (dd/mmm/yyyy)	
<p align="center"><b>Installer Responsibilities</b></p> <p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>					

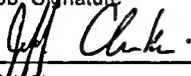
ECU DEMO → RETURNED

1. Approving Civil Aviation Authority/Country Transport Canada		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No.	
4. Organization Name and Address AERO Design Ltd. – 2013 39 <sup>th</sup> Avenue NE, Calgary, Alberta, T2E 6R7					5. Work Order/Contract/Invoice WO2010-10	
6. Item	7. Description Long Cargo Basket	8. Part Number 78410-01	9. Qty. 1	10. Serial/Batch No. 78401-20	11. Status/Work New	
12. Remarks Modified with walkway on lid IAW DCL704, powder coated black						
13a. Certifies that the items identified above were manufactured in conformity to:			14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12			
<input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12.			Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.			
13b. Signature 		13c. Approved Organization Number AMF 73-04		14b. Signature		14c. Approved Organization Number
13d. Name Jeff Clarke		13e. Date (dd/mmm/yyyy) 23 July 2010		14d. Name		14e. Date (dd/mmm/yyyy)
<p style="text-align: center;"><b>Installer Responsibilities</b></p> <p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>						

EXPEDITION

1. Approving Civil Aviation Authority/Country Transport Canada		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No.	
4. Organization Name and Address AERO Design Ltd. – 2013 39 <sup>th</sup> Avenue NE, Calgary, Alberta, T2E 6R7					5. Work Order/Contract/Invoice WO2010-10	
6. Item	7. Description	8. Part Number	9. Qty.	10. Serial/Batch No.	11. Status/Work	
	Long Cargo Basket	78410-01	1	78401-12	New	
12. Remarks Modified with walkway on lid IAW DCL704						
13a. Certifies that the items identified above were manufactured in conformity to:			14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12			
<input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12.			Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.			
13b. Signature 		13c. Approved Organization Number AMF 73-04		14b. Signature		14c. Approved Organization Number
13d. Name Jeff Clarke		13e. Date (dd/mmm/yyyy) 04 May 2010		14d. Name		14e. Date (dd/mmm/yyyy)
<p style="text-align: center;"><b>Installer Responsibilities</b></p> <p>This certificate does not constitute authority to install. Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>						

GEMINI

1. Approving Civil Aviation Authority/Country <b>Transport Canada</b>		2. <b>AUTHORIZED RELEASE CERTIFICATE FORM ONE</b>			3. Form Tracking No.	
4. Organization Name and Address <b>AERO Design Ltd. – 2013 39<sup>th</sup> Avenue NE, Calgary, Alberta, T2E 6R7</b>					5. Work Order/Contract/Invoice <b>WO2010-10</b>	
6. Item	7. Description	8. Part Number	9. Qty.	10. Serial/Batch No.	11. Status/Work	
	<b>Long Cargo Basket</b>	<b>78410-01</b>	<b>1</b>	<b>78401-19</b>	<b>New</b>	
12. Remarks <b>Modified with walkway on lid IAW DCL704</b>						
13a. Certifies that the items identified above were manufactured in conformity to:			14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12			
<input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12.			Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the <del>Canadian Aviation Regulations</del> .			
13b. Signature 		13c. Approved Organization Number <b>AMF 73-04</b>		14b. Signature		14c. Approved Organization Number
13d. Name <b>Jeff Clarke</b>		13e. Date (dd/mmm/yyyy) <b>25 June 2010</b>		14d. Name		14e. Date (dd/mmm/yyyy)
<p style="text-align: center;"><b>Installer Responsibilities</b></p> <p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>						

KCLH

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4. Organization Name and Address AERO Design Ltd. – 2013 39 <sup>th</sup> Avenue NE, Calgary, Alberta, T2E 6R7					5. Work Order/Contract/Invoice WO2010-10
6. Item	7. Description	8. Part Number	9. Qty.	10. Serial/Batch No.	11. Status/Work
	Long Cargo Basket	78410-01	1	78401-18	New
12. Remarks Modified with lid step IAW DCL704					
13a. Certifies that the items identified above were manufactured in conformity to:			14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12		
<input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12.			Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.		
13b. Signature <i>Jeff Clarke</i>		13c. Approved Organization Number AMF 73-04		14b. Signature	
13d. Name Jeff Clarke		13e. Date (dd/mmm/yyyy) 16 June 2010		14c. Approved Organization Number	
				14d. Name	
				14e. Date (dd/mmm/yyyy)	
Installer Responsibilities					
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ECL/ENNU